

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
500891.01APPLICATION NO.
09/823,935**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

APPLICANT(S)

James R. Peterson, Robert H. Mullis and Gregory M. Hunter

FILING DATE

March 30, 2001

GROUP ART UNIT

2673

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| | AA | | | | | | |
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FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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|------------|----|---|--|--|--|--|--|--|
| <i>Juw</i> | AP | Beets, Kristof et al., "Super-sampling Anti-aliasing Analyzed", Beyond3D, (2000) pp. 1-22, < http://www.Beyond3D.com >. | | | | | | |
| | AQ | | | | | | | |

EXAMINER

Jonathan Wang

DATE CONSIDERED

1/27/2005

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INFORMATION DISCLOSURE STATEMENT

(Drawings and/or photographs, if necessary)

APPLICANT(S)

James R. Peterson et al.

FILING DATE

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GROUP ART UNIT

2672

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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| <i>Jrw</i> AD | Abrash, M., "Inside Xbox Graphics", Dr. Dobbs' Journal: Software Tools for the Professional Programmer, Vol. 25, No. 8, August 2000, pp. 21-26. |
| <i>Jrw</i> AE | Author Unknown, "BB Scunthorpe - Four Queens Busy", Steel Times, Vol. 223, No. 2, February 1995, pp. 70-71. |
| <i>Jrw</i> AF | Bowers, G., "Reconstruction and Repair of Blast Furnaces", Metal Construction and British Welding Journal, August 1970, pp. 317-321. |
| <i>Jrw</i> AG | Brabham, M., "The Unusual Suspects", www.insideelectronics.com, March/April 2000, pp. 15-16. |
| <i>Jrw</i> AH | Ding, J. et al., "Aliasing-Free Space and Time Compactions with Limited Overhead", IEEE 2000 First International Symposium on Quality Electronic Design, March 2000, pp. 355-360. |
| <i>Jrw</i> AI | Ewins, J. et al., "Implementing An Anisotropic Texture Filter" Computers & Graphics 24 (2000), pp. 253-267. |
| <i>Jrw</i> AJ | Hart, J. et al., "Antialiased Parameterized Solid Texturing Simplified for Consumer-Level Hardware Implementation", Proceedings of the Eurographics/SIGGRAPH Workshop on Graphics Hardware, Los Angeles, California, August 1999, pp. 45-53, 140. |
| <i>Jrw</i> AK | Horita, K. et al., "Advanced Shallow Trench Isolation to Suppress the Inverse Narrow Channel Effects for 0.24μm Pitch Isolation and Beyond", Symposium on VLSI Technology, Digest of Technical Papers, June 2000, pp. 178-179. |
| <i>Jrw</i> AL | Igehy, H., "Tracing Ray Differentials", Computer Graphics, Proceedings, Annual Conference Series 1999, Siggraph 99, Conference Proceedings, August 1999, pp. 179-186. |
| <i>Jrw</i> AM | Jouppi, N. et al., "Z ³ : An Economical Hardware Technique for High-Quality Antialiasing and Transparency", Proceedings of the Eurographics/SIGGRAPH Workshop on Graphics Hardware, Los Angeles, California, August 1999, pp. 85-93, 143. |

EXAMINER

Jmchenzhang

DATE CONSIDERED

4/27/2005

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| FORM PTO-1449 (REV. 7-80) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 500891.01 | | APPLICATION NO. 09/823,935 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) James R. Peterson et al. | | | |
| | | | | FILING DATE March 30, 2001 | | GROUP ART UNIT 2672 | |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| <i>JRW</i> | AN | Keating, B., "Efficient Shadow Antialiasing Using an A-Buffer", Journal of Graphics Tools, Vol. 4, No. 3, 1999, pp. 23-33. | | | | | |
| <i>JRW</i> | AO | Kiuchi, H. et al., "3.1.3 KSP Data-Acquisition System", Journal of the Communications Research Laboratory, Vol. 46, No. 1, March 1999, pp. 25-32 | | | | | |
| <i>JRW</i> | AP | Lee, J. et al., "SPARP: A Single Pass Antialiased Rasterization Processor", Computers & Graphics 24 (2000), pp. 233-243 | | | | | |
| <i>JRW</i> | AQ | Okumura, A. et al., "Parallel Programming with Layered Streams", Symposium on Logic Programming, IEEE, August 1987, pp. 224-232 | | | | | |
| <i>JRW</i> | AR | Sauceda, A. et al., "Antialiasing Filter with High Pupil Apertures", 18 th Congress of the International Commission for Optics: Optics for the Next Millennium, San Fransisco, 1999, SPIE Vol. 3749, pg. 767. | | | | | |
| <i>JRW</i> | AS | Shahin, A. et al., "Cooperation of Fuzzy Segmentation Operators for Correction Aliasing Phenomenon in 3D color Doppler Imaging", Artificial Intelligence in Medicine, Vol. 19, No. 2, June 2000, pp. 121-154. | | | | | |
| <i>JRW</i> | AT | Spero, C. et al., "Corrosion Performance of Mild Steel in Coal Leachate", Materials Forum, Vol. 12, January 1988, pp. 73-78. | | | | | |
| <i>JRW</i> | AU | Waele, S.D. et al., "Error Measure for Resampled Irregular Data", IEEE Transactions on Instrumentation and Measurement, Vol. 49, No. 2, April 2000, pp. 216-222. | | | | | |
| <i>JRW</i> | AV | Wan, M. et al., "Interactive Stereoscopic Rendering of Voxel-based Terrain", Center for Visual Computing and Department of Computer Science State University of New York at Stony Brook, IEEE, March 2000, pp. 197-206 | | | | | |
| <i>JRW</i> | AW | Yang, X. et al., "Scalable Wavelet Video Coding Using Aliasing-Reduced Hierarchical Motion Compensation", IEEE Transactions on Image Processing, Vol. 9, No. 5, May 2000, pp. 778-791 | | | | | |
| <i>JRW</i> | AX | Zhang, H., "Forward Shadow Mapping", Proceedings of the Eurographics Workshop, Vienna, Austria, June 1998, pp. 131-138, 330. | | | | | |
| | AY | | | | | | |
| EXAMINER <i>Jen-Cheng Wang</i> | | | | DATE CONSIDERED <i>1/27/2005</i> | | | |
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James R. Peterson et al.

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|----------------------|----|-----------------|----------|--------|-------|----------|-------------------------------|
| <i>gwr</i> | AA | 2003/0043169 A1 | 03/06/03 | Hunter | 345 | 611 | |
| | AB | | | | | | |
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FOREIGN PATENT DOCUMENTS

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|----------------------|----|-----------------|----------|---------------|-------|----------|-------------------------------|
| Jrw | AA | 6,650,323 B2 | 11/18/03 | Naegle et al. | 345 | 419 | |
| Jrw | AB | 6,697,063 B1 | 02/24/04 | Zhu | 345 | 421 | |
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| <div style="text-align: center;"> INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i> </div> <div style="position: absolute; left: -100px; top: 50px; transform: rotate(-45deg); border: 1px solid black; padding: 5px;"> OFFICE AUG 05 2004 PATENT & TRADEMARK OFFICE </div> | | | | APPLICANT(S) James R. Peterson et al. | | | |
| | | | | FILING DATE March 30, 2001 | | GROUP ART UNIT 2672 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| <i>Jon</i> | AA 5,959,598 | 09/28/99 | McKnight | 345 | 90 | | |
| <i>Jon</i> | AB 6,038,031 | 03/14/00 | Murphy | 358 | 1.09 | | |
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| EXAMINER <i>Grucheng Wang</i> | | | | DATE CONSIDERED <i>1/27/2005</i> | | | |
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| <i>grw</i> | AA | 6,133,901 | 10/17/00 | Law | 345 | 136 | |
| <i>grw</i> | AB | 6,249,287 B1 | 06/19/01 | Yamrom | 345 | 419 | |
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